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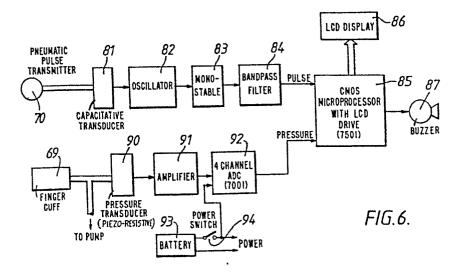
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(54) Improvements in and relating to apparatus for measuring blood pressure.

(5) An apparatus for measuring blood pressure comprises: an inflatable cuff (22, 69) and pulse sensing means (32, 70) for fixing to a digit such as, for example, a finger or toe; electrical control circuit means (85) for converting a sensed pulse into a visual or audible indication; pneumatic means (31) for transmitting the sensed pulse to the converting means (40, 31); and means (12, 90) for measuring the pressure exerted in the cuff. The arrangement is such that

with the cuff in an operative position on the body, progressive inflation/deflation of the cuff is effected until pulse sensing means detect the presence of the pulse thus providing an indication of the systolic blood pressure.

A variable capacitor (40) is pneumatically coupled to the pulse sensor (32, 70) so that changes in the pneumatic system result in changes in capacitance to determine the pulse within the pneumatic system.





## **EUROPEAN SEARCH REPORT**

Application number

EP 86 30 6380

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci 4)	
х	al.) * Column 2, line	4, line 67 - col-	1,2,4- 9	A 61 B 5/02	
D,A	GB-A-1 604 251 RESEARCH DEVELOP * Page 2, line figure *		5		
A	al,)	(D.M. SPEAKER et et e 49 - column 3, 1 *	2,7,10		
A	US-A-4 484 584 * Abstract; co column 5, line 4	lumn 4, line 60 -	8	TECHNICAL FIELDS SEARCHED (Int. CI.4)	
A	US-A-4 321 929 et al.) * Abstract; co 37-42; figures 1	olumn 3, lines	9		
А	US-A-4 331 155  * Abstract; 30-48; figures 1	column 6, lines	1-4		
	The present search report has t	Deen drawn up for all claims			
Place of search Date of completion o THE HAGUE 23-07-198		Date of completion of the search 23-07-1987	HUNT	Examiner, B.W.	
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background  E: earlier patter the bit of the same category L: docume			ent document, ling date cited in the app cited for other I the same pate	lying the invention but published on, or plication reasons nt family, corresponding	